STIC EIC 2100
Search Request Form

113851

Today's Date: 01/09/04	What date would you like to use to limit the search? Priority Date: 9/11/2080 Other:

Name _Basquee To_	Format for Search Results (Circle One):
AU _2172_ Examiner # _78889_	(PAPER) DISK EMAIL
Room # _4A42_ Phone _305-1949_	**Where have you searched so far?**
Serial # _09/480,390_	(USP) (DWPI) (EPO) (JPO) ACM (IBM) TDB
	IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) (YES) NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm. _Michael P. Wagner EMC_

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Please concentrate on:

— a process that does not own a particular resource creates a lock (Partial or Full lock) upon receiving an inquiry from other process + (Mutex or mutual-Exclusion)

lock partial temporary ghost

owner command

multithread plenation process thread task

STIC Searcher _Carol Wong_	Phone _305-9723_
Date picked up _2-9-04_	Date Completed _2-9-04_

STIC Search Report
EIC 2100

STIC Database Tracking Number: 106553

TO: Baoquoc To
Location: 4A42
Art Unit : 2172
Monday, February 09, 2004

Case Serial Number: 09/480,390

From: Carol Wong
Location: EIC 2100
PK2-4B33
Phone: 305-9729

carol.wong@uspto.gov

Search Notes

Dear Examiner To,

Attached are the search results (from commercial databases) for your case.

Color tags mark the patents/articles which appear to be most relevant to the case. Pls review all documents, since untagged items might also be of interest. If you wish to order the complete text of any document, pls submit request(s) directly to EIC2100 Reference Staff located in 4B40.

Please call if you have any questions or suggestions for additional terminology, or a different approach to searching the case.

Thanks,
Carol

US-PAT-NO: 6026427

DOCUMENT-IDENTIFIER: US 6026427 A

TITLE: Condition variable to synchronize high level
              communication between processing threads

---------- KWIC ---------

Detailed Description Text - DETX (7):
  A condition variable is similar in some respects to a semaphore. Whereas a
semaphore allows **processes, or threads,** to synchronize by controlling their
access to data, a condition variable allows **threads** to synchronize on the value
of the data. Cooperating **threads** wait until data reaches some particular state
or until a particular event occurs. Thus, a condition variable is a
synchronization object that allows a **thread** to become locked, until it is
unlocked by some event. The unlocking can occur simultaneously, or as a result
of either a time-out or some other **thread** performing a signaling operation on
the condition variable. In use, condition variables are always associated with
a **mutual exclusion** (mutex). A **thread** is a single sequential flow of control in
a **process**. A **thread** may be currently processing or may be waited (i.e., its
processing is suspended). A mutex is a synchronization object used to allow
multiple **threads** to serialize their access to shared data. A mutex provides
mutual exclusion such that a thread that has locked a mutex becomes the **owner,**
and remains the **owner,** until the same **thread** unlocks the mutex.

US-PAT-NO: 5701470

DOCUMENT-IDENTIFIER: US 5701470 A

TITLE: System and method for space efficient object locking
                using a data subarray and pointers

---------- KWIC ---------

Detailed Description Text - DETX (38):
   For normal **mutex** operation, if the lock handling request (i.e., the request
being handled by the Lock2 method) is by a **thread** to synchronize with the
associated object, the **thread** is added to the waiting **thread** list for the
object. If the request is to release the lock held by a **thread,** the waiting
thread if any highest on the waiting **threads** list is made the lock **owner** and is
allowed to resume execution. If the request is to release the lock held by a
thread, and there are no waiting **threads,** then the lock status is updated to
"unlocked", which in some implementations may be indicated simply by the Lock
Owner datum being changed to a null value and the Lock status flag being reset
to False.

Patent Assignment Abstract of Title

Total Assignments: 1

Application #: 09480390   **Filing Dt:** 01/11/2000   **Patent #:** NONE   **Issue Dt:**

PCT #: NONE   **Publication #:** NONE   **Pub Dt:**

Inventor: Michael P. Wagner

Title: System, Device, and method for providing mutual exclusion for computer system resources

Assignment: 1

Reel/Frame: 010599/0639   **Received:** 03/15/2000   **Recorded:** 02/14/2000   **Mailed:** 05/08/2000   **Pages:** 4

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: WAGNER, MICHAEL P.   **Exec Dt:** 02/03/2000

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Search Results as of: 2/9/2004 10:32:37 A.M.

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